

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| L1    | 14   | (diversity near4 select \$4 near4 transmi\$5) and (sub-channel or subchannel near3 power) and (weight \$3near4 vector\$3) and (optimal or highest near4 quality) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2008/11/21<br>13:48 |
| S1    | 1342 | 375/347.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>13:43 |
| S2    | 355  | 375/299.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>13:41 |
| S3    | 1079 | 375/267.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>13:42 |
| S4    | 1800 | 375/260.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>13:42 |
| S5    | 251  | S1 and (sub-channel or sub\$channel same power analys\$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>17:05 |
| S6    | 243  | S5 and (communication quality)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>13:45 |
| S7    | 196  | S6 and (weight\$3 vector)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>13:46 |
| S8    | 195  | S7 and (plurality antenn \$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>14:55 |
| S9    | 70   | S7 and (plurality adj antenn\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR               | ON      | 2007/03/29<br>13:47 |

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| S10 | 152  | S7 and (plurality antenn<br>\$3) same (determin\$3<br>or detect\$3 adj high\$4<br>or maximum quality)        | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>14:57 |
| S11 | 128  | S7 and (plurality antenn<br>\$3) same (determin\$3<br>or detect\$3 adj high\$4<br>or maximum adj<br>quality) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>14:57 |
| S12 | 240  | S1 and (sub-channel or<br>sub\$channel same<br>power analys\$3 logic)<br>same (diversity select<br>\$3)      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>15:52 |
| S13 | 69   | S11 and S12  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>15:04 |
| S14 | 175  | S1 and (sub-channel or<br>sub\$channel adj power<br>adj analys\$3 logic)<br>same (diversity select<br>\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>15:53 |
| S15 | 35   | S11 and S14  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>17:05 |
| S16 | 3921 | S1 S2 S3 S4  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>17:05 |
| S17 | 1003 | S16 and (sub-channel<br>or sub\$channel same<br>power analys\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:07 |
| S18 | 304  | S16 and (sub-channel<br>or sub\$channel adj<br>power adj analys\$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/17<br>15:30 |
| S19 | 8    | S18 and (diversity adj<br>select\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/29<br>17:07 |
| S20 | 1342 | 375/347.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:07 |
| S21 | 355  | 375/299.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:07 |

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| S22 | 1079 | 375/267.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:07 |
| S23 | 1800 | 375/260.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:07 |
| S24 | 3921 | S20 S21 S22 S23   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:07 |
| S25 | 1709 | S24 and (sub-channel<br>or sub\$channel same<br>power analys\$3 logic)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:07 |
| S26 | 1683 | S24 and (sub-channel<br>or sub\$channel near2<br>power analys\$3 logic) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:08 |
| S27 | 1676 | S24 and (sub-channel<br>or sub\$channel near<br>power analys\$3 logic)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>13:48 |
| S28 | 1334 | S27 and (selection<br>unit)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:09 |
| S29 | 1156 | S27 and (diversity adj<br>selection unit)                               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:10 |
| S30 | 1126 | S29 and<br>(communication<br>quality)                                   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:10 |
| S31 | 744  | S30 and (weight\$3<br>vector)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:11 |
| S32 | 80   | S30 and (weight\$3 adj<br>vector)                                       | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:11 |
| S33 | 1673 | S24 and (sub-channel<br>or sub\$channel adj<br>power analys\$3 logic)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>11:53 |
| S34 | 1594 | S33 and (select\$3 unit)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:25 |

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| S35 | 1154 | S33 and (diversity adj select\$3 unit)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:25 |
| S36 | 1150 | S35 and (high\$3 communication quality)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:26 |
| S37 | 73   | S36 and (weight adj vector)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>09:27 |
| S38 | 80   | S36 and (weight\$3 adj vector)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S39 | 1    | "5905721".PN.   | USPAT; USOCR                                      | OR | ON | 2007/03/30<br>09:50 |
| S40 | 1399 | S24 and (sub-channel or sub\$channel or subchannel adj power adj analys\$3 logic) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>11:54 |
| S41 | 78   | S40 and (weight\$3 adj vector)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>11:55 |
| S42 | 76   | S41 and (diversity select \$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>12:01 |
| S43 | 60   | S41 and (diversity selector same weight)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>12:02 |
| S44 | 955  | S24 and (sub-channel or sub\$channel adj power analys\$3)                         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>16:26 |
| S45 | 304  | S24 and (sub-channel or sub\$channel adj power adj analys\$3)                     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>13:50 |
| S46 | 304  | S24 and (sub-channel or sub\$channel adj power adj analyzer)                      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>13:51 |
| S47 | 131  | S24 and (sub-channel or sub\$channel adj power adj analyzer) and quality          | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/30<br>13:51 |

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| S48 | 298     | S24 and (sub-channel or subchannel adj power adj analyzer) and (maximum or optimum or high\$4 quality) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/30 13:52 |
| S49 | 298     | S24 and (sub-channel or subchannel adj power adj analyzer) and (maximum or optimum or high\$4 quality) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/30 15:13 |
| S50 | 304     | S24 and (sub-channel or subchannel adj power adj analyzer) and (high signal to noise)                  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/04/19 12:26 |
| S51 | 304     | S24 and (sub-channel or subchannel adj power adj analyzer) and (high signal to noise ratio)            | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/30 15:14 |
| S52 | 4531043 | (select antenna with highest power)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/30 16:27 |
| S53 | 5       | (select adj antenna same highest adj power)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/30 16:36 |
| S54 | 37      | (select\$3 adj antenna same high\$4 adj power)   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/30 16:36 |
| S55 | 1090    | 375/267.ccls.  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/04/17 15:31 |
| S56 | 0       | "375.clas"   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/04/17 15:31 |
| S57 | 68713   | "375".clas.  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/04/17 15:31 |
| S58 | 1043    | S55 and (maximum or high\$4 or larg\$4 communication quality)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/04/17 15:32 |

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| S59 | 57483 | S57 and (maximum or high\$4 or larg\$4 communication quality)                         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/17<br>15:33 |
| S60 | 21    | S58 and (diversity adj selection)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/17<br>15:33 |
| S61 | 145   | S59 and (diversity adj selection)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/18<br>16:42 |
| S62 | 1349  | 375/347.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:27 |
| S63 | 363   | 375/299.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:27 |
| S64 | 1095  | 375/267.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:27 |
| S65 | 1829  | 375/260.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:27 |
| S66 | 3967  | S62 S63 S64 S65   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:27 |
| S67 | 311   | S66 and (sub-channel or subchannel adj power adj analy\$3) and (high signal to noise) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:33 |
| S68 | 9     | S67 and (diversity adj select\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:28 |
| S69 | 0     | S66 and (sub-channel adj power adj analy\$3) and (high signal to noise)               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/19<br>12:33 |
| S70 | 1439  | 375/347.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S71 | 412   | 375/299.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |

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| S72 | 1240 | 375/267.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S73 | 2139 | 375/260.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S74 | 4478 | S70 S71 S72 S73  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S75 | 1925 | S74 and (sub-channel<br>or sub\$channel adj<br>power analys\$3 logic)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S76 | 1325 | S75 and (diversity adj<br>select\$3 unit)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S77 | 1318 | S76 and (high\$3<br>communication quality)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:02 |
| S78 | 1    | S77 and (weight\$3 adj<br>vector) and (plurality<br>adj1 bit\$1)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:14 |
| S79 | 92   | S77 and (weight\$3 adj<br>vector)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:15 |
| S80 | 92   | S77 and (weight\$3 adj<br>vector) and (multip\$3<br>or plurality adj bit or<br>symbols)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/09<br>14:17 |
| S81 | 29   | (weight\$3 adj1 vector)<br>same (transmit\$6 adj1<br>power) same (channel<br>sub-channel or<br>subchannel or sub<br>\$channel) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>13:17 |
| S82 | 7765 | (power same<br>subchannel or sub-<br>channel)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>14:14 |
| S83 | 1314 | S82 and (weight\$4 and<br>quality or QOS)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>14:17 |

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| S84 | 1573 | S82 and ((weight\$4 vector) and quality or QOS)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>14:20 |
| S85 | 1387 | S84 and (plurality antenna\$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>14:20 |
| S86 | 6696 | S82 and (weight\$4 and high\$4 transmit\$4 or communicat\$4 quality or QOS)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>14:21 |
| S87 | 106  | S86 and (plurality adj1 bit\$2)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>15:19 |
| S88 | 17   | S87 and (diversity)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>15:19 |
| S89 | 2    | "20050113041"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/03/19<br>15:23 |
| S90 | 1665 | 375/347.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/11/18<br>13:01 |
| S91 | 0    | S90 and (sub-channel or sub\$channel near3 antenna\$3 near4 quality) same (power near4 analys\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/11/18<br>13:01 |
| S92 | 1    | S90 and (sub-channel or sub\$channel near3 antenna\$3 near4 quality) and (power near4 analys\$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/11/18<br>13:02 |
| S93 | 6    | (sub-channel or sub \$channel near3 antenna \$3 near4 quality) same (power near4 analys\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/11/18<br>13:03 |
| S94 | 1    | (weight\$4 near5 vector \$1) same (sub-channel or sub\$channel near3 antenna\$3) same (power near4 analys\$3) and (communication near4 quality) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/11/18<br>14:43 |



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| S95  | 1   | (weight\$4) same (sub-channel or sub\$channel near3 antenna\$3) same (power near4 analys\$3) and (communication near4 quality)                  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT    | OR | ON | 2008/11/18 14:44 |
| S96  | 1   | (weight\$4)and (sub-channel or sub\$channel near3 antenna\$3) same (power near4 analys\$3) and (communication near4 quality)                    | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT    | OR | ON | 2008/11/18 14:45 |
| S97  | 1   | (weight\$4) and (sub-channel or sub\$channel near3 antenna\$3) same (power near4 analys\$3) and (communication near4 quality)                   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT    | OR | ON | 2008/11/18 14:45 |
| S98  | 1   | (sub-channel or sub \$channel near3 antenna \$3) same (power near4 analys\$3) and (communication near4 quality)                                 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT    | OR | ON | 2008/11/18 14:45 |
| S99  | 210 | (sub-channel or sub \$channel near3 antenna \$3) same (power) and (communication near4 quality)   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT    | OR | ON | 2008/11/18 14:45 |
| S100 | 21  | S99 and (weight\$4 near5 vector)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT    | OR | ON | 2008/11/18 14:46 |
| S101 | 1   | "05634199"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/18 15:33 |
| S102 | 61  | (diversity near4 select \$4) and (sub-channel or subchannel near3 power) and weight\$3 and (optimal or high\$4 near4 quality)                   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/18 15:41 |
| S103 | 55  | (diversity near4 select \$4) and (sub-channel or subchannel near3 power) and (weight \$3near4 vector\$3) and (optimal or high\$4 near4 quality) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/18 15:42 |

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| S104 | 53  | (diversity near4 select \$4) and (sub-channel or subchannel near3 power) and (weight \$3near4 vector\$3) and (optimal or highest near4 quality) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/18 15:44 |
| S105 | 640 | (power near4 pour\$3)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 11:49 |
| S106 | 53  | (diversity near4 select \$4) and (sub-channel or subchannel near3 power) and (weight \$3near4 vector\$3) and (optimal or highest near4 quality) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 11:50 |
| S107 | 3   | S105 and S106   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 11:50 |
| S108 | 142 | (power near4 water near4 pour\$3)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 12:24 |
| S109 | 21  | S105 and (sub-channel or subchannel near3 power) and (weight \$3near4 vector\$3) and (optimal or highest near4 quality)                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 12:25 |
| S110 | 19  | S108 and (sub-channel or subchannel near3 power) and (weight \$3near4 vector\$3) and (optimal or highest near4 quality)                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 12:25 |
| S111 | 93  | (transmi\$6 near4 power near5 weight\$3 near5 vector\$2)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 12:33 |
| S112 | 12  | (transmi\$6 near4 power near5 weight\$3 near5 vector\$2) same (subchannel or sub-channel or subcarrier or sub-carrier)                          | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 12:34 |

|      |    |   |  |    |    |                     |
|------|----|---|--|----|----|---------------------|
| S113 | 27 | (transmi\$6 near4<br>power near5 weight\$3<br>near5 vector\$2) and<br>(subchannel or sub-<br>channel or subcarrier<br>or sub-carrier) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/11/20<br>12:46 |
|------|----|---|--|----|----|---------------------|

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